

<b>Aeronautics Educator Guide</b>			
<b>2006 Mathematics</b>			
<b>Grade Level Expectations</b>			
<b>Delaware Mathematics</b>			
<b>Grade 2</b>			
<b>Activity/Lesson</b>	<b>State</b>	<b>Standards</b>	
Air Engines (12-16)	DE	MA.2. 3.3.4	Measure an object by counting repetitions of the same unit of measure (e.g., the length of the desk measured by an index card)
Air Engines (12-16)	DE	MA.2. 3.3.5	Measure a large object more than once using a different tool as the unit of measure each time-decide which one is the "best" for the task
Air Engines (12-16)	DE	MA.2. 4.4.1	Explore events as more likely or less likely based on informal observation
Flight: Interdisciplinary Learning Activities (76-79)	DE	MA.2. 1.1.1	Develop efficient strategies for counting (e.g., skip counting by 1s, 2s, 5s and 10s)
Flight: Interdisciplinary Learning Activities (76-79)	DE	MA.2. 1.1.4	Use multiple strategies to compare size of two numbers (counting up, counting back)
Dunked Napkin ( 17-22)	DE	MA.2. 4.1.1	Collect (e.g., observe, count, or survey) categorical data to answer a question posed by the teacher or students
Dunked Napkin ( 17-22)	DE	MA.2. 4.3.1	Interpret data by noting characteristics of the graph (e.g., most, least, the same)
Paper Bag Mask (23-28)	DE	MA.2. 3.3.4	Measure an object by counting repetitions of the same unit of measure (e.g., the length of the desk measured by an index card)
Paper Bag Mask (23-28)	DE	MA.2. 3.3.5	Measure a large object more than once using a different tool as the unit of measure each time-decide which one is the "best" for the task
Wind in Your Socks) (29-35)	DE	MA.2. 3.3.4	Measure an object by counting repetitions of the same unit of measure (e.g., the length of the desk measured by an index card)
Wind in Your Socks) (29-35)	DE	MA.2. 3.3.5	Measure a large object more than once using a different tool as the unit of measure each time-decide which one is the "best" for the task
Wind in Your Socks) (29-35)	DE	MA.2. 4.1.1	Collect (e.g., observe, count, or survey) categorical data to answer a question posed by the teacher or students
Wind in Your Socks) (29-35)	DE	MA.2. 4.2.1	Demonstrate a variety of informal techniques for organizing and representing categorical data (e.g., tallies, pictures, or physical objects, bar graph with scale provided, line plot)
Wind in Your Socks) (29-35)	DE	MA.2. 4.4.1	Explore events as more likely or less likely based on informal observation
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<b>2006 Mathematics</b>			
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<b>Delaware Mathematics</b>			
<b>Grade 3</b>			
<b>Activity/Lesson</b>	<b>State</b>	<b>Standards</b>	
Air Engines (12-16)	DE	MA.3. 3.3.3	Measure objects (height, length of arms, length of foot) using standard measurement units (e.g., cm, inches, feet)
Dunked Napkin ( 17-22)	DE	MA.3. 4.1.1	Collect categorical and numerical data to answer a question posed by the teacher or students
Dunked Napkin ( 17-22)	DE	MA.3. 4.3.2	Find and use the mode to describe and interpret data
Paper Bag Mask (23-28)	DE	MA.3. 3.3.3	Measure objects (height, length of arms, length of foot) using standard measurement units (e.g., cm, inches, feet)
Wind in Your Socks) (29-35)	DE	MA.3. 3.3.3	Measure objects (height, length of arms, length of foot) using standard measurement units (e.g., cm, inches, feet)
Wind in Your Socks) (29-35)	DE	MA.3. 4.1.1	Collect categorical and numerical data to answer a question posed by the teacher or students
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<b>2006 Mathematics</b>			
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<b>Grade 4</b>			
<b>Activity/Lesson</b>	<b>State</b>	<b>Standards</b>	
Air Engines (12-16)	DE	MA.4. 3.3.2	Extend the precision of a standard measurement by using fraction strips to develop $\frac{1}{2}$ , $\frac{1}{4}$ or $\frac{1}{10}$ as a "unit of measure."
Air Engines (12-16)	DE	MA.4. 3.3.1	Estimate and then measure the length of objects to the nearest whole unit (e.g., find your height in inches or centimeters)
Paper Bag Mask (23-28)	DE	MA.4. 3.3.2	Extend the precision of a standard measurement by using fraction strips to develop $\frac{1}{2}$ , $\frac{1}{4}$ or $\frac{1}{10}$ as a "unit of measure."
Paper Bag Mask (23-28)	DE	MA.4. 3.3.4	Use a ruler to draw lines or geometric figures with given measurements
Paper Bag Mask (23-28)	DE	MA.4. 3.3.1	Estimate and then measure the length of objects to the nearest whole unit (e.g., find your height in inches or centimeters)
Wind in Your Socks) (29-35)	DE	MA.4. 3.3.2	Extend the precision of a standard measurement by using fraction strips to develop $\frac{1}{2}$ , $\frac{1}{4}$ or $\frac{1}{10}$ as a "unit of measure."
Wind in Your Socks) (29-35)	DE	MA.4. 3.3.4	Use a ruler to draw lines or geometric figures with given measurements
Wind in Your Socks) (29-35)	DE	MA.4. 4.1.2	Collect categorical data where the data is described using numbers (e.g., how many have five letters in their first name?)
Wind in Your Socks) (29-35)	DE	MA.4. 3.3.1	Estimate and then measure the length of objects to the nearest whole unit (e.g., find your height in inches or centimeters)

Sled Kite (44-51)	DE	MA.4. 3.3.4	Use a ruler to draw lines or geometric figures with given measurements
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